

Title (en)

CURABLE COATING COMPOSITIONS HAVING IMPROVED COMPATIBILITY AND SCRATCH AND MAR RESISTANCE, CURED COATED SUBSTRATES MADE THEREWITH AND METHODS FOR OBTAINING THE SAME COATING

Title (de)

HÄRTBARE BESCHICHTUNGSZUSAMMENSETZUNGEN DIE VERBESSERTER VERTRÄGLICHKEIT UND KRATZFESTIGKEIT AUFWEISEN

Title (fr)

COMPOSITIONS DE REVETEMENT SECHABLES POSSEDANT UNE COMPATIBILITE AMELIOREE ET UNE RESISTANCE AUX GRIFFURES ET AUX MARQUAGES AMELIOREE, SUBSTRATS REVETUS SECHES CONCUS A PARTIR DE CELLES-CI ET PROCEDES PERMETTANT D'OBTENIR LE REVETEMENT

Publication

EP 1397450 A1 20040317 (EN)

Application

EP 02731471 A 20020423

Priority

- US 0212845 W 20020423
- US 29685101 P 20010423

Abstract (en)

[origin: WO02086001A1] The invention provides coating compositions having improved scratch and mar resistance. The curable coating compositions of the invention comprise a film-forming component (A) comprising one or more active hydrogen containing components (a), and one or more curing agents (b) comprising at least one aminoplast resin (bi) having from 0.5 to 3.5 moles of NH per mole of aminoplast resin (bi), a blocked acid catalyst (B) having a blocking agent which is not a tertiary amine, and a tertiary amine (C) present in an amount equal to 10 to 150% by weight of the blocking agent. The invention further provides a method of making cured coated substrates having improved scratch and mar resistance as well as a method of making multilayer coating compositions.

IPC 1-7

C09D 201/02; C08G 2/06

IPC 8 full level

B05D 1/36 (2006.01); **B05D 5/00** (2006.01); **C08L 61/32** (2006.01); **C09D 7/12** (2006.01); **C09D 133/14** (2006.01); **C09D 161/20** (2006.01); **C09D 161/34** (2006.01); **C09D 175/04** (2006.01); **C09D 201/02** (2006.01)

CPC (source: EP US)

C08L 61/32 (2013.01 - EP US); **C09D 133/14** (2013.01 - EP US); **C09D 161/20** (2013.01 - EP US); **C09D 161/34** (2013.01 - EP US); **C09D 175/04** (2013.01 - EP US); **C09D 201/025** (2013.01 - EP US); **Y10T 428/31551** (2015.04 - EP US)

C-Set (source: EP US)

C09D 175/04 + C08L 2666/16

Citation (search report)

See references of WO 02086001A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02086001 A1 20021031; AT E377635 T1 20071115; CA 2439965 A1 20021031; DE 60223369 D1 20071220; DE 60223369 T2 20080904; EP 1397450 A1 20040317; EP 1397450 B1 20071107; ES 2295343 T3 20080416; JP 2004532316 A 20041021; MX PA03006972 A 20040402; US 2003009006 A1 20030109; US 6649734 B2 20031118

DOCDB simple family (application)

US 0212845 W 20020423; AT 02731471 T 20020423; CA 2439965 A 20020423; DE 60223369 T 20020423; EP 02731471 A 20020423; ES 02731471 T 20020423; JP 2002583522 A 20020423; MX PA03006972 A 20020423; US 12799302 A 20020423